

**From:** rob.sutschek@gm.com  
**To:** Jav Smith/AA/USEPA/US@EPA; Cleophas Jackson/AA/USEPA/US@EPA; Khesha Reed/DC/USEPA/US@EPA; Jason Gurnbs/DC/USEPA/US@EPA; Carl Ryan/AA/USEPA/US@EPA; Daniel Cullen/AA/USEPA/US@EPA  
**Cc:** randall.c.harvey@gm.com; scott.fletcher@gm.com; steve.boellinger@gm.com; william.watson@gm.com; thomas.bahensky@gm.com; mike.edwards@gm.com; dave.pitschel@gm.com; michael.w.jones@gm.com; grady.kelly@gm.com; chuck.walker@gm.com; john.alvord@gm.com  
**Subject:** General Motors 2011 Dynamometer Certification Confirmatory Testing Plan  
**Date:** 03/12/2010 05:21 PM  
**Attachments:** Diesel Fuels Analysis D102\_Cart 2009 Final Report 170776(2).pdf

---

To confirm our 4 PM, 03/11/2010 timeline/expectations discussion --

The plan for Wednesday, March 24, 2010.

07:45 Arrival to the Pontiac Test Lab, GM Powertrain, 777 Joslyn Avenue, Pontiac, MI 48340-2925 -- Main Lobby (bldg B) -- Safety video required, declare laptops with serial numbers, GM stickers over camera phone lenses or store in your vehicle  
08:00 Pre-Audit Meeting -- review prep, plan for day, meet contacts  
08:30 Engine Start - Cold start HDDT (decision RMC or audit gasses), HDDT results available by 11:00 -- Expectation is to read from cylinders, bag fill and read available, but must know ahead of time for system reconfig.  
12:00 Lunch  
12:45 Small workgroups - audit of cell/facility calibrations, fuel analysis, DEF concentration. Pull of fuel sample (DEF sample). Pictures of test cell and engine setup.  
Start of RMC (based on earlier decision) or NTE test points (may require some scripting -- continuous emission trace not available in this cell software level)  
15:00 Result review of HDDT with PM, RMC and NTE sweeps  
17:00 Feedback -- Corrective action if required

GM Contacts (embedded Excel)

Name	Email	Title	Notes:
Bill Watson	william.w.watson@gm.com	Compliance and Certification Engineer	Official data submission gatekeeper
Chuck Walker	chuck.walker@gm.com	Lab Engineer	Test Cell Protocol / Testing Lead
Dave Pitschel	dave.pitschel@gm.com	Test Quality/Validation Engineer	Facility Calibration Lead/Quality/Validation
Grady Kelly	grady.kelly@gm.com	Dyno Calibration Engineer	
John Alvord	john.alvord@gm.com	Pontiac Lab Manager	
Mike Edwards	mike.edwards@gm.com	Staff Facility Engineer	Technical Specialist -- Facility / 1065 compliance
Mike Jones	michael.w.jones@gm.com	Test Technician	
Randy Harvey	randall.c.harvey@gm.com	Compliance and Certification General Manager	
Rob Sutschek	rob.sutschek@gm.com	Diesel Emissions Compliance	Technical Contact Product Team / Coordinator
Scott Fletcher	scott.fletcher@gm.com	Development / Validation Systems Manager	
Steve Boellinger	steve.boellinger@gm.com	Total Compliance Engineer	Official Contact for correspondence
Thomas Bahensky	thomas.bahensky@gm.com	Diesel Development Systems Manager	

Comments/Answers to Questions:

The bag material is Kynar (<http://www.sae.org/technical/papers/2002-01-0051>).

Mike Edwards will be available to outline 1065 level of compliance and/or exceptions.

RMC and HDDT Analyzer Ranges:

[umol/mol]  
CO2 Bag 15000  
CO Bag 100  
NOx Bag 20  
CH4 Bag 25  
THC Bag 75  
THC Tunnel 75

The shipping address for sealed gas bottles (please contact Dave at that number for any special instructions.. he can work with John Alvord to clear any MSDS issues or storage issues):

GMPT Engineering Dock 45  
895 Joslyn Rd  
Pontiac, MI 48340  
Attn: Dave Pitschel, 248-343-7247

We will have the ability to take pictures. You can take uncontrolled copies of any records or we can provide PDF emails or memory sticks with any data requested on both emission results and facility calibrations.

For reference, our fuel analysis of the certification fuel is attached.

A refractometer will be available for DEF analysis on site as this is our normal quality insurance practice.

Please feel free to contact me with any further questions or concerns.

Rob  
734-368-3142

Nothing in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message.

Confidentiality Note: This message is intended only for the person or entity to which it is addressed. It may contain confidential and/or privileged material. Any review, transmission, dissemination or other use, or taking of any action in reliance upon this message by persons or entities other than the intended recipient is prohibited and may be unlawful. If you received this message in error, please contact the sender and delete it from your computer.